

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P636149

Luminaire Tested: **IFLD-L-SA7B-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636149  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21575.9 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

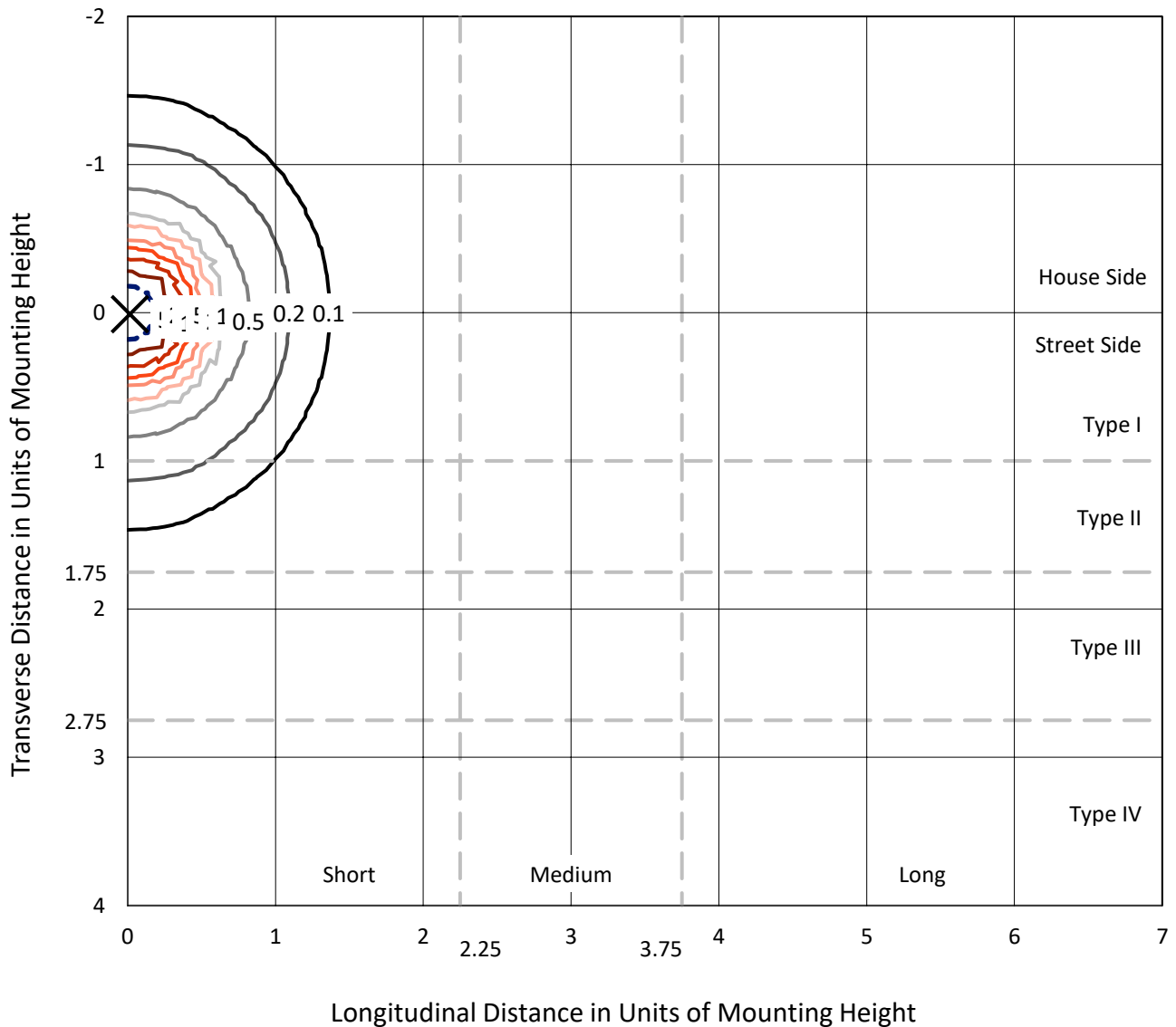
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

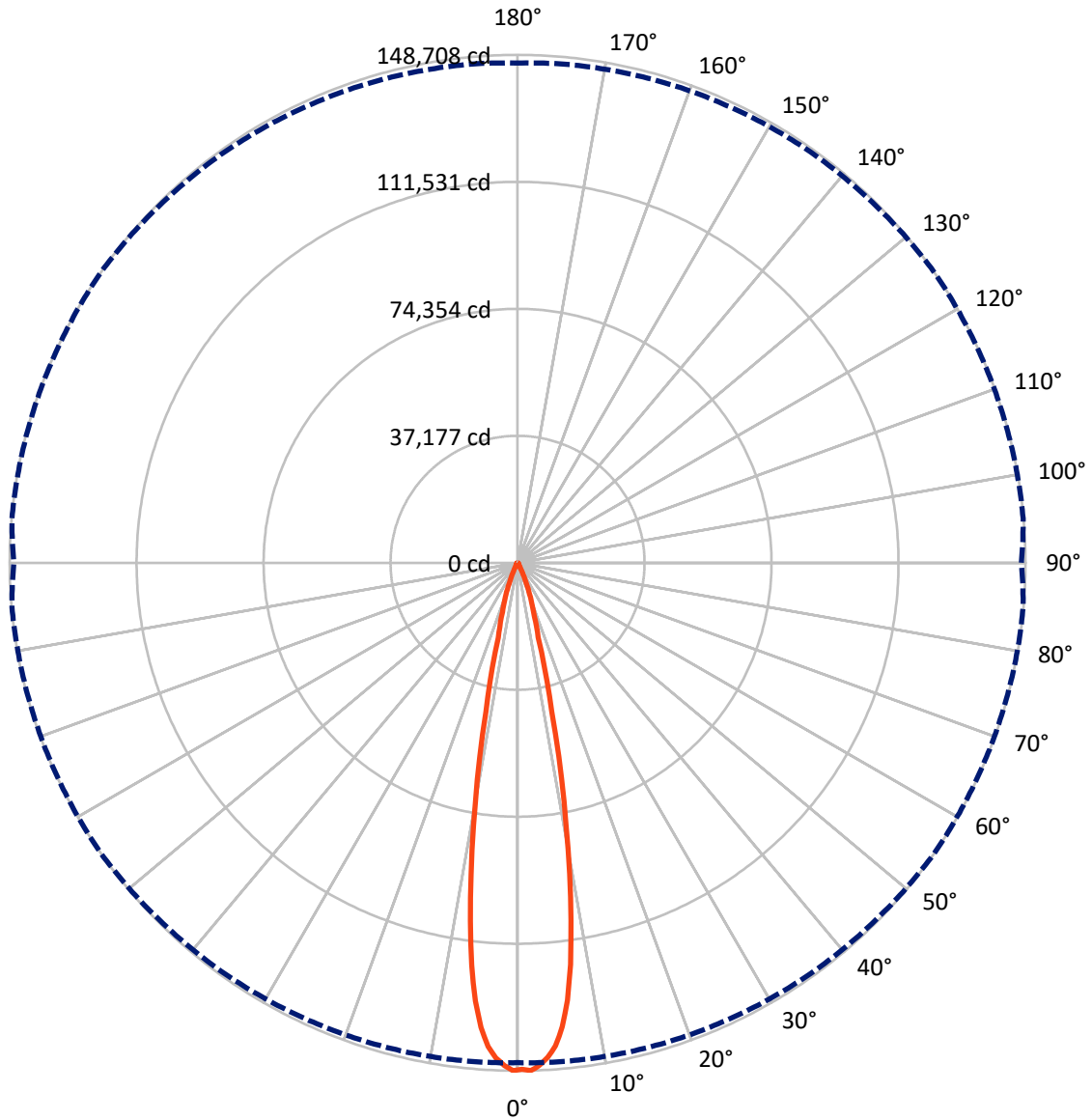
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 370.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

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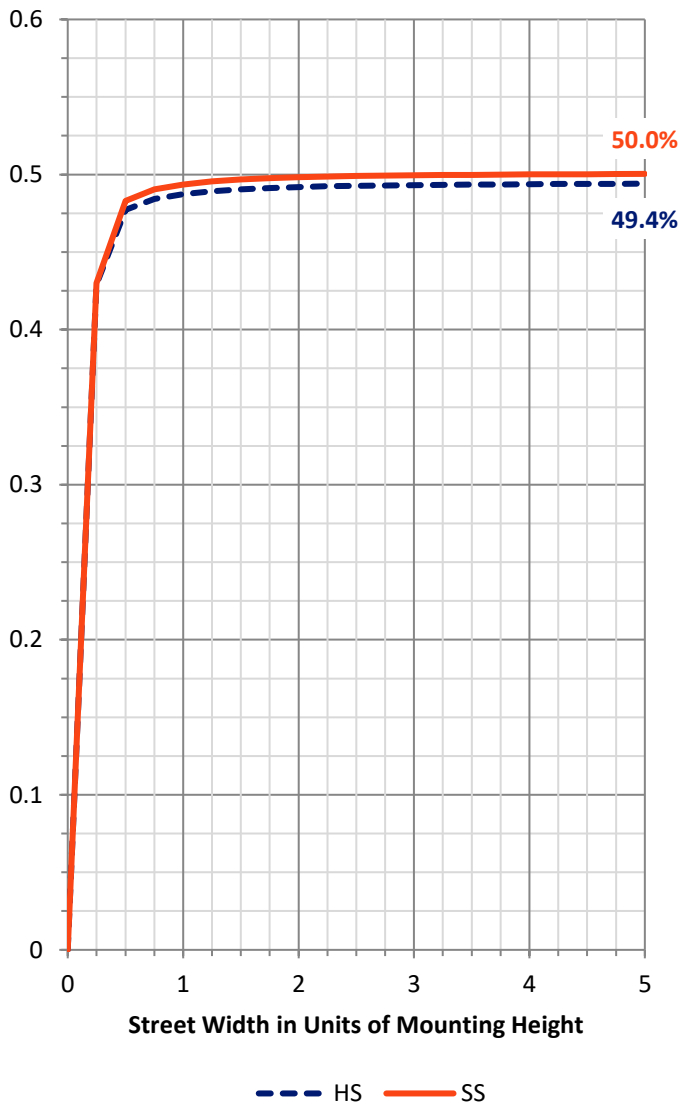
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10787.9	0.0	10787.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10787.9	0.0	10787.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21575.9	0.0	21575.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10962.2	50.8
10°-20°	7769.0	36.0
20°-30°	1820.4	8.4
30°-40°	380.5	1.8
40°-50°	245.5	1.1
50°-60°	181.8	0.8
60°-70°	123.6	0.6
70°-80°	66.0	0.3
80°-90°	27.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21575.9	100.0
0°-180°	21575.9	100.0

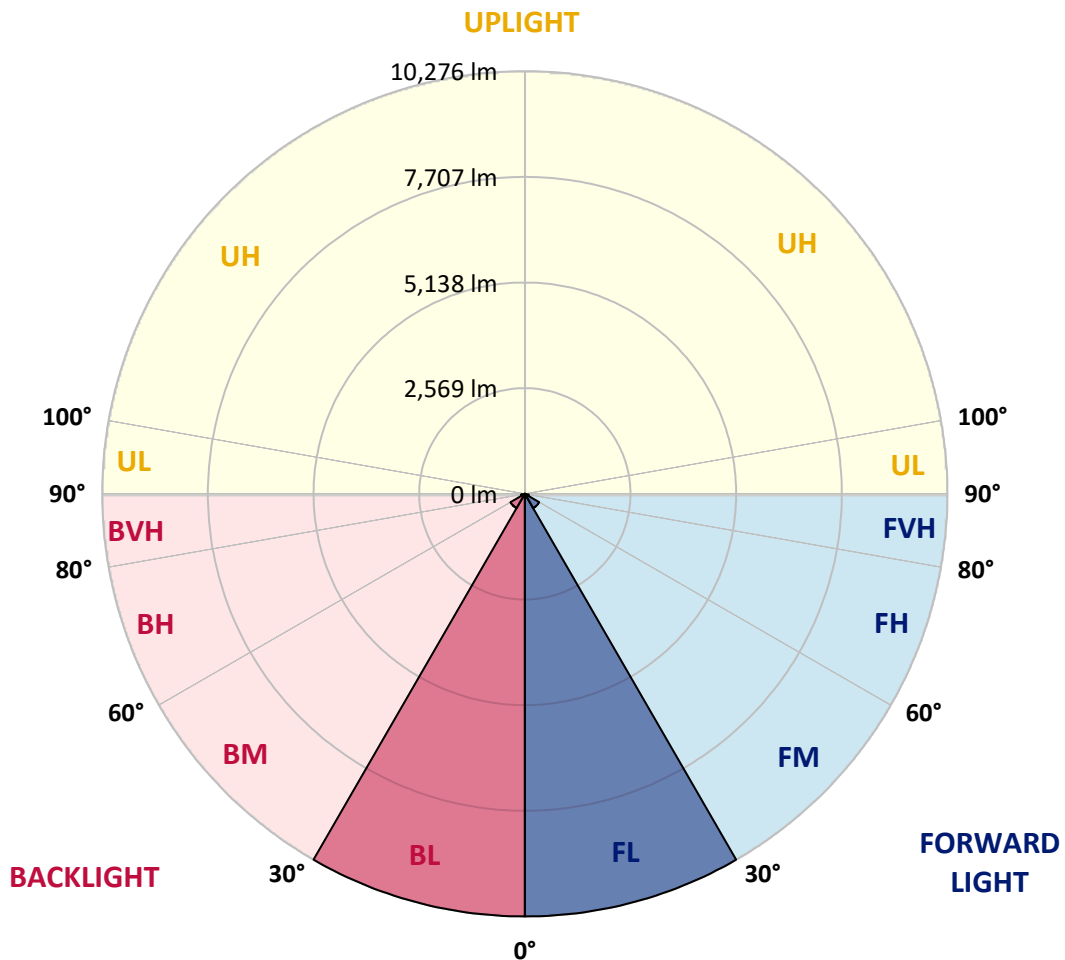


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10275.8	47.6			
FM (30°-60°)	403.9	1.9			
FH (60°-80°)	94.8	0.4			G0/660
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	10275.8	47.6	B5		
BM (30°-60°)	403.9	1.9	B1/1000		
BH (60°-80°)	94.8	0.4	B0/110		G0/660
BVH (80°-90°)	13.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	148326.3	148326.3	148326.3	148326.3	148326.3	148326.3	148326.3	148326.3	148326.3	148326.3
1°	146330.7	146601.6	146933.6	147235.0	147689.1	148059.2	148707.9	148570.5	148551.4	148578.1
2°	143495.7	143835.3	144346.6	144648.0	145819.4	146300.2	147280.8	147570.8	147338.0	147601.3
3°	139248.8	139527.4	140328.7	140920.1	142438.7	143736.1	145048.6	145483.6	145212.7	145334.8
4°	134193.1	134479.3	135448.4	136654.2	138848.2	140286.7	141858.8	142247.9	141362.7	141423.8
5°	128175.8	128309.3	129496.0	130594.9	133220.1	134963.8	136455.8	136577.9	135769.0	135459.9
6°	121406.8	121166.4	122257.7	122723.2	125985.6	127763.7	128855.0	128713.8	128099.5	127836.2
7°	113363.4	113035.2	113916.6	113664.8	116553.3	117568.2	118617.5	118136.8	117648.4	118255.1
8°	104057.0	103873.8	103305.3	104335.5	104907.9	105816.0	105812.2	105533.6	105518.4	106529.5
9°	90526.6	92217.0	91717.1	92796.9	92652.0	92610.0	92331.4	92152.1	91389.0	92552.7
10°	75668.4	76775.0	77618.2	79228.4	78915.6	79358.2	77809.0	78072.3	77564.8	78526.4
12.5°	39167.8	40411.7	41140.5	42369.1	43719.9	45101.1	44654.7	44193.0	43502.4	44349.5
15°	19280.5	19772.8	20005.5	21253.2	22214.8	22562.0	22615.4	22207.2	22031.6	22214.8
17.5°	11832.4	12004.1	12679.5	14114.1	14946.0	15152.0	15018.5	14572.0	14072.2	13862.3
20°	8566.2	8615.8	8871.4	9150.0	10260.3	10840.3	10626.6	10187.8	9726.1	9508.6
22.5°	5593.8	5643.4	5727.3	5879.9	6177.6	6894.9	6662.1	6364.5	6051.6	5986.8
25°	3167.0	3167.0	3254.8	3411.2	3632.5	3685.9	3731.7	3415.0	3270.0	3205.2
27.5°	1766.7	1778.1	1797.2	1858.2	1968.9	1957.4	1907.8	1823.9	1724.7	1621.7
30°	976.8	988.3	999.7	1015.0	1034.0	999.7	969.2	953.9	911.9	900.5
32.5°	732.6	732.6	740.2	736.4	717.3	675.4	656.3	679.2	675.4	656.3
35°	602.9	602.9	610.5	625.8	587.6	557.1	541.8	572.3	572.3	560.9
37.5°	492.2	496.0	499.9	518.9	507.5	473.1	469.3	477.0	480.8	477.0
40°	431.2	427.4	427.4	431.2	423.5	415.9	408.3	404.5	408.3	404.5
42.5°	373.9	370.1	377.8	370.1	354.9	358.7	358.7	347.2	351.0	343.4
45°	328.1	324.3	328.1	320.5	309.1	312.9	312.9	297.6	297.6	293.8
47.5°	290.0	290.0	290.0	293.8	274.7	270.9	274.7	270.9	259.5	255.6
50°	251.8	255.6	259.5	267.1	248.0	240.4	240.4	240.4	232.8	228.9
52.5°	232.8	236.6	236.6	236.6	225.1	217.5	217.5	213.7	209.9	206.0
55°	225.1	225.1	225.1	209.9	206.0	202.2	190.8	187.0	183.2	183.2
57.5°	213.7	213.7	209.9	198.4	187.0	187.0	171.7	167.9	164.1	164.1
60°	190.8	190.8	190.8	187.0	171.7	167.9	152.6	145.0	141.2	141.2
62.5°	175.5	175.5	175.5	160.3	156.4	145.0	133.5	122.1	118.3	110.7
65°	160.3	160.3	160.3	145.0	137.4	125.9	110.7	99.2	91.6	80.1
67.5°	148.8	148.8	145.0	133.5	122.1	106.8	91.6	80.1	64.9	57.2
70°	129.7	129.7	125.9	118.3	106.8	95.4	76.3	61.1	49.6	38.2
72.5°	110.7	110.7	106.8	99.2	91.6	80.1	64.9	53.4	34.3	26.7
75°	91.6	91.6	87.8	80.1	76.3	68.7	57.2	42.0	26.7	11.4
77.5°	76.3	76.3	72.5	68.7	64.9	57.2	49.6	34.3	19.1	7.6
80°	57.2	61.1	61.1	61.1	53.4	49.6	45.8	34.3	15.3	3.8
82.5°	42.0	45.8	45.8	45.8	42.0	38.2	42.0	30.5	15.3	3.8
85°	30.5	30.5	34.3	34.3	34.3	34.3	45.8	34.3	11.4	3.8
87.5°	15.3	15.3	15.3	15.3	15.3	19.1	22.9	19.1	7.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
148326.3  
*147513.6*  
146601.6  
144419.1  
140515.6  
134815.0  
127244.8  
118068.1  
103725.0  
90381.6  
76061.4  
42056.2  
21360.1  
13568.5  
9340.7  
5853.2  
3151.7  
1625.5  
900.5  
644.8  
557.1  
477.0  
408.3  
347.2  
293.8  
255.6  
225.1  
202.2  
179.3  
164.1  
137.4  
103.0  
80.1  
53.4  
38.2  
22.9  
11.4  
3.8  
3.8  
3.8  
3.8  
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